

3rd Quarter 2018 - Effluent Limit Violation Responses															
Monitoring Site Information					Effluent Limit Violation Details								Compliant Sample		Notes
Company Name	State	NPDES Permit	SMCRA Permit	Outfall	Sample Date	Notification Date	Parameter	Result	Limit	Type	Explanations	Category	Sample Date	Result	
A&G Coal Corporation	VA	VA0081954	1101954	018	08/15/18	08/17/18	Total Suspended Solids	74.0000	70.0000	Daily	Likely cause due to low pond volume and disturbance from rain events or possible outside influences. Evidence of bears present in the area, bear prints all over pond area.	N/A	08/17/18	5.0000	
A&G Coal Corporation	VA	VA0081954	1101954	C	07/02/18	08/16/18	Total Suspended Solids	51.0000	35.0000	Monthly	Likely cause due to low pond volume and disturbance from rain events or possible outside influences. Evidence of bears present in nearby area.	1	02/11/19	7.0000	
Virginia Fuel Corporation	VA	VA0082068	1602068	005	07/24/18	08/13/18	Total Suspended Solids	43.0000	35.0000	Monthly	Likely cause due to disturbance from high precipitation events.	1	08/09/18	5.0000	
Virginia Fuel Corporation	VA	VA0082073	1702073	017	07/17/18	08/16/18	Total Suspended Solids	47.0000	35.0000	Monthly	Likely cause due to low pond volume and disturbance from high precipitation events.	1	09/17/18	14.0000	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	07/05/18	07/19/18	Total Manganese	4.1200	4.0000	Daily	Low flow pond, water is usually pumped into pond to dilute, power is off to pump.	N/A	07/23/18	3.2000	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	07/17/18	07/24/18	Total Manganese	4.5200	4.0000	Daily	Low flow pond, water is usually pumped into pond to dilute, power is off to pump.	1	07/23/18	3.2000	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	07/25/18	07/31/18	Total Manganese	4.4900	4.0000	Daily	Low flow pond, water is usually pumped into pond to dilute, power is off to pump.	N/A	08/01/18	3.1900	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	07/26/18	07/31/18	Total Manganese	4.1700	4.0000	Daily	Low flow pond, water is usually pumped into pond to dilute, power is off to pump.	1	08/01/18	3.1900	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	07/26/18	08/13/18	Total Manganese	3.4250	2.0000	Monthly	Low flow pond, water is usually pumped into pond to dilute, power is off to pump.	2	08/10/18	0.6100	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	08/02/18	08/21/18	Total Manganese	4.1300	4.0000	Daily	Low flow pond, water is usually pumped into pond to dilute, power is off to pump.	N/A	08/10/18	0.6100	Not Notified within 48 hours
Virginia Fuel Corporation	VA	VA0082074	1602074	011	09/05/18	09/13/18	Total Manganese	6.6000	6.0000	Daily	Lab sampled site at wrong location, not discharging as of 09/19/18. Believed did not discharge prior.	N/A	No Discharge		
Virginia Fuel Corporation	VA	VA0082074	1602074	011	09/05/18	10/16/18	Total Manganese	6.6000	3.0000	Monthly	Lab sampled site at wrong location, not discharging as of 09/19/18. Believed did not discharge prior.	1	No Discharge		
Bluestone Coal Corporation	WV	WV1005979	0006083, 0007383	001	07/07/18	07/10/18	Total Aluminum	1.5470	0.7500	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	07/11/18	0.2260	
Bluestone Coal Corporation	WV	WV1005979	0006083, 0007383	001	07/27/18	08/06/18	Total Aluminum	0.5390	0.4300	Monthly	Likely cause due to ineffective treatment. Working with NALCO consultant to determine treatment options.	1	08/09/18	0.1460	
Bluestone Coal Corporation	WV	WV1005979	0006083, 0007383	001	07/07/18	07/10/18	Total Iron	2.6020	2.4600	Daily	Likely cause due to high flow and ineffective treatment.	N/A	07/11/18	0.1650	
Bluestone Coal Corporation	WV	WV1006304	S007282	005	07/02/18	07/06/18	Total Selenium	8.3000	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	07/09/18	7.3700	
Bluestone Coal Corporation	WV	WV1006304	S007282	005	07/12/18	08/06/18	Total Selenium	7.4600	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	1	09/06/18	4.1400	
Bluestone Coal Corporation	WV	WV1006304	S007282	005	08/18/18	09/11/18	Total Selenium	6.4200	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	09/06/18	4.1400	
Bluestone Coal Corporation	WV	WV1006304	S007282	005	09/18/18	10/10/18	Total Selenium	5.9550	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	03/26/19	4.6000	
Bluestone Coal Corporation	WV	WV1006304	S007282	006	07/02/18	07/06/18	Total Selenium	8.8700	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	07/09/18	5.4200	
Bluestone Coal Corporation	WV	WV1006304	S007282	006	07/12/18	08/06/18	Total Selenium	7.1767	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	1	08/18/18	3.6100	
Bluestone Coal Corporation	WV	WV1006304	S007282	006	08/18/18	09/11/18	Total Selenium	5.6225	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	03/11/19	4.5000	
Bluestone Coal Corporation	WV	WV1006304	S007282	006	09/18/18	10/10/18	Total Selenium	6.0500	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	03/11/19	4.5000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	07/02/18	07/06/18	Total Selenium	13.9200	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	07/18/18	3.2400	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	07/09/18	07/10/18	Total Selenium	11.7300	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	1	07/18/18	3.2400	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	07/12/18	07/16/18	Total Selenium	11.6300	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	07/18/18	3.2400	Not Notified within 48 hours
Bluestone Coal Corporation	WV	WV1006304	S007282	007	08/01/18	08/03/18	Total Selenium	10.1600	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	08/18/18	5.2300	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	08/13/18	08/15/18	Total Selenium	14.2300	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	08/18/18	5.2300	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	08/16/18	08/17/18	Total Selenium	10.9000	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	08/18/18	5.2300	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	09/04/18	09/05/18	Total Selenium	11.7500	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	09/06/18	6.4600	

EXHIBIT A TO PLAINTIFFS' RESPONSE TO DEFENDANT'S SUMMARY JUDGMENT MOTION

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Company Name	State	NPDES Permit	SMCRA Permit	Outfall	Sample Date	Notification Date	Parameter	Result	Limit	Type	Explanations	Category	Sample Date	Result	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	09/14/18	09/17/18	Total Selenium	12.5200	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	10/04/18	4.1400	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	09/18/18	09/20/18	Total Selenium	13.0600	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	1	10/04/18	4.1400	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	09/20/18	09/21/18	Total Selenium	8.4400	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	10/04/18	4.1400	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	07/18/18	08/06/18	Total Selenium	8.7240	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	1	10/04/18	4.1400	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	08/18/18	09/11/18	Total Selenium	10.1300	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	10/04/18	4.1400	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	09/20/18	10/10/18	Total Selenium	10.4460	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	10/04/18	4.1400	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	07/02/18	07/06/18	Total Selenium	14.0200	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	07/09/18	7.9700	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	07/12/18	07/16/18	Total Selenium	12.2200	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	07/17/18	1.9500	Not Notified within 48 hours
Bluestone Coal Corporation	WV	WV1006304	S007282	008	08/01/18	08/03/18	Total Selenium	12.4100	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	08/18/18	5.8400	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	08/13/18	08/15/18	Total Selenium	11.5400	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	08/18/18	5.8400	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	08/16/18	08/17/18	Total Selenium	9.6400	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	08/18/18	5.8400	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	09/04/18	09/05/18	Total Selenium	11.9300	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	09/06/18	6.9100	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	09/14/18	09/17/18	Total Selenium	11.3300	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	09/20/18	7.1700	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	09/18/18	09/20/18	Total Selenium	10.4600	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	1	09/20/18	7.1700	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	07/18/18	08/06/18	Total Selenium	7.5900	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	1	10/04/18	3.8600	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	08/18/18	09/11/18	Total Selenium	9.8575	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	10/04/18	3.8600	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	09/20/18	10/10/18	Total Selenium	9.5600	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	10/04/18	3.8600	
Bluestone Coal Corporation	WV	WV1006347	U400788	001	09/26/18	10/10/18	Total Aluminum	0.4377	0.4300	Monthly	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	1	10/09/18	0.3280	
Pay Car Mining, Inc.	WV	WV1018663	U401098	001	07/26/18	07/30/18	Total Aluminum	0.7510	0.7500	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	07/31/18	0.2110	Not Notified within 48 hours
Bluestone Coal Corporation	WV	WV1018698	U401398	001	09/26/18	10/10/18	Total Aluminum	0.4863	0.4300	Monthly	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	1	10/18/18	0.2610	
Bluestone Coal Corporation	WV	WV1018698	U401398	002	07/20/18	07/24/18	Total Aluminum	0.8360	0.7500	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	07/25/18	0.1100	
Bluestone Coal Corporation	WV	WV1018698	U401398	002	08/22/18	08/23/18	Total Aluminum	1.3320	0.7500	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	08/24/18	0.1900	
Bluestone Coal Corporation	WV	WV1018698	U401398	002	09/06/18	09/07/18	Total Aluminum	2.5450	0.7500	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	09/11/18	0.4690	
Bluestone Coal Corporation	WV	WV1018698	U401398	002	09/10/18	09/12/18	Total Aluminum	0.8690	0.7500	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	1	09/11/18	0.4690	
Bluestone Coal Corporation	WV	WV1018698	U401398	002	09/20/18	10/10/18	Total Aluminum	0.9010	0.4300	Monthly	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	1	10/02/18	0.3060	
Bluestone Coal Corporation	WV	WV1018965	S400900	002	09/27/18	09/28/18	Total Aluminum	0.1530	0.1400	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	09/17/18	0.0110	
Bluestone Coal Corporation	WV	WV1018965	S400900	004	09/27/18	09/28/18	Total Aluminum	0.2710	0.1400	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	09/30/18	0.0610	
Bluestone Coal Corporation	WV	WV1018965	S400900	004	09/27/18	09/28/18	Total Aluminum	0.0817	0.0800	Monthly	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	1	10/09/18	0.0120	

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4th Quarter 2018 - Effluent Limit Violation Responses															
Monitoring Site Information					Effluent Limit Violation Details								Sample		Notes
Company Name	State	NPDES Permit	SMCRA Permit	Outfall	Sample Date	Notification Date	Parameter	Result	Limit	Type	Explanations	Category	Sample Date	Result	
Justice Coal of Alabama, LLC	AL	AL0062693	P3877	006	11/07/18	11/20/18	Total Suspended Solids	72.0000	70.0000	Daily	Heavy rainfall prior to sampling event as well as grading and clearing operations by the property owner.	N/A	11/21/18	7.0000	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	10/09/18	10/19/18	Total Manganese	5.0100	4.0000	Daily	Low flow pond, water is usually pumped into pond to dilute, power is off to pump.	N/A	10/18/18	3.3700	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	10/31/18	11/09/18	Total Manganese	3.2325	2.0000	Monthly	Low flow pond, water is usually pumped into pond to dilute, power is off to pump.	1	11/17/18	1.2000	
Second Sterling Corporation	WV	WV0060216	0008282, 0008382	002	11/15/18	11/16/18	Total Aluminum	1.5670	0.6000	Daily	Likely cause due to heavy precipitation and road run-off.	N/A	11/26/18	0.0390	
Second Sterling Corporation	WV	WV0060216	0008282, 0008382	002	11/26/18	12/13/18	Total Aluminum	0.8030	0.3400	Monthly	Likely cause due to heavy precipitation and road run-off.	1	12/06/18	0.0710	
Second Sterling Corporation	WV	WV0060216	0008282, 0008382	002	11/15/18	11/16/18	Total Iron	2.9010	1.6400	Daily	Likely cause due to heavy precipitation and road run-off.	N/A	11/26/18	0.0720	
Second Sterling Corporation	WV	WV0060216	0008282, 0008382	002	11/26/18	12/13/18	Total Iron	1.4865	0.9400	Monthly	Likely cause due to heavy precipitation and road run-off.	1	12/06/18	0.0940	
Second Sterling Corporation	WV	WV0060216	0008282, 0008382	002	11/15/18	11/19/18	Total Suspended Solids	130.0000	70.0000	Daily	Likely cause due to heavy precipitation and road run-off.	N/A	11/26/18	9.0000	
Second Sterling Corporation	WV	WV0060216	0008282, 0008382	002	11/26/18	12/13/18	Total Suspended Solids	69.5000	35.0000	Monthly	Likely cause due to heavy precipitation and road run-off.	1	12/06/18	4.0000	
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	11/26/18	11/28/18	Total Aluminum	1.1770	0.7500	Daily	Likely cause due to high flow, haul road run-off, and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	11/29/18	0.1390	
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	11/29/18	12/13/18	Total Aluminum	0.4837	0.4300	Monthly	Likely cause due to high flow, haul road run-off, and ineffective treatment. Working with NALCO consultant to determine treatment options.	1	12/06/18	0.2950	
Bluestone Coal Corporation	WV	WV1006304	S007282	002	10/01/18	10/02/18	Total Aluminum	9.1440	0.7500	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	10/03/18	0.4770	
Bluestone Coal Corporation	WV	WV1006304	S007282	002	10/12/18	11/09/18	Total Aluminum	1.6778	0.4300	Monthly	Likely cause due to heavy rains and sampled while pond was being cleaned.	1	11/12/18	0.1920	
Bluestone Coal Corporation	WV	WV1006304	S007282	002	10/01/18	10/02/18	Total Iron	18.1720	2.4600	Daily	Likely cause due to heavy rains and sampled while pond was being cleaned.	N/A	10/03/18	0.7400	
Bluestone Coal Corporation	WV	WV1006304	S007282	002	10/12/18	11/09/18	Total Iron	3.2403	1.4200	Monthly	Likely cause due to heavy rains and sampled while pond was being cleaned.	1	11/12/18	0.2430	
Bluestone Coal Corporation	WV	WV1006304	S007282	002	10/01/18	10/03/18	Total Suspended Solids	1024.0000	70.0000	Daily	Likely cause due to heavy rains and sampled while pond was being cleaned.	N/A	10/03/18	43.0000	
Bluestone Coal Corporation	WV	WV1006304	S007282	002	10/12/18	11/09/18	Total Suspended Solids	184.0000	35.0000	Monthly	Likely cause due to heavy rains and sampled while pond was being cleaned.	1	11/12/18	15.0000	
Bluestone Coal Corporation	WV	WV1006304	S007282	005	10/12/18	11/09/18	Total Selenium	6.1300	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	03/26/19	4.6000	
Bluestone Coal Corporation	WV	WV1006304	S007282	005	11/12/18	12/13/18	Total Selenium	6.2000	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	03/26/19	4.6000	
Bluestone Coal Corporation	WV	WV1006304	S007282	005	12/13/18	01/12/19	Total Selenium	5.6100	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	03/26/19	4.6000	
Bluestone Coal Corporation	WV	WV1006304	S007282	006	10/12/18	11/09/18	Total Selenium	5.7900	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	02/23/19	3.4000	
Bluestone Coal Corporation	WV	WV1006304	S007282	006	11/12/18	12/13/18	Total Selenium	6.2450	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	02/23/19	3.4000	
Bluestone Coal Corporation	WV	WV1006304	S007282	006	12/13/18	01/12/19	Total Selenium	5.4400	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	02/23/19	3.4000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	10/01/18	10/02/18	Total Selenium	12.7800	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	10/04/18	4.1400	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	10/03/18	10/04/18	Total Selenium	10.6800	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	10/04/18	4.1400	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	10/09/18	10/12/18	Total Selenium	10.7100	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	10/18/18	5.9800	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	10/12/18	10/15/18	Total Selenium	9.1800	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	1	10/18/18	5.9800	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	10/13/18	10/15/18	Total Selenium	9.0400	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	10/18/18	5.9800	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	10/16/18	10/17/18	Total Selenium	8.5500	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	10/18/18	5.9800	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	11/01/18	11/05/18	Total Selenium	14.0500	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	11/06/18	5.7400	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	11/12/18	11/15/18	Total Selenium	10.8700	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	12/15/18	5.5600	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	12/03/18	12/06/18	Total Selenium	11.2100	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	12/15/18	5.5600	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	12/13/18	12/14/18	Total Selenium	12.4500	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	12/15/18	5.5600	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	10/18/18	11/09/18	Total Selenium	8.8825	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	03/14/19	0.3000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	11/12/18	12/13/18	Total Selenium	10.2200	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	03/14/19	0.3000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	12/15/18	01/12/19	Total Selenium	9.7400	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	03/14/19	0.3000	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	10/01/18	10/02/18	Total Selenium	10.8400	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	10/04/18	3.8600	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	10/03/18	10/04/18	Total Selenium	9.0900	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	1	10/04/18	3.8600	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	10/12/18	10/15/18	Total Selenium	12.0200	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	11/06/18	3.7900	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	10/16/18	10/17/18	Total Selenium	11.6900	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	1	11/06/18	3.7900	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	10/18/18	10/22/18	Total Selenium	11.8300	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	11/06/18	3.7900	

EXHIBIT A TO PLAINTIFFS' RESPONSE TO DEFENDANT'S SUMMARY JUDGMENT MOTION

4th Quarter 2018 - Effluent Limit Violation Responses																
Monitoring Site Information					Effluent Limit Violation Details								Sample		Notes	
Company Name	State	NPDES Permit	SMCRA Permit	Outfall	Sample Date	Notification Date	Parameter	Result	Limit	Type	Explanations	Category	Sample Date	Result		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	11/01/18	11/05/18	Total Selenium	11.7200	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	11/06/18	3.7900		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	11/12/18	11/15/18	Total Selenium	10.5100	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	12/15/18	5.2000		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	12/03/18	12/06/18	Total Selenium	9.2800	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	12/15/18	5.2000		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	12/13/18	12/14/18	Total Selenium	9.7700	8.2000	Daily	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	12/15/18	5.2000		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	10/18/18	11/09/18	Total Selenium	9.4129	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	11/06/18	3.7900		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	11/12/18	12/13/18	Total Selenium	8.6733	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	02/24/19	4.6000		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	12/15/18	01/12/19	Total Selenium	8.0833	4.7000	Monthly	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options.	2	02/24/19	4.6000		
Bluestone Coal Corporation	WV	WV1006347	U400788	001	11/26/18	11/28/18	Total Aluminum	1.3090	0.7500	Daily	Likely cause due to road run-off. Treatment needed	N/A	11/29/18	0.1550		
Bluestone Coal Corporation	WV	WV1006347	U400788	001	11/29/18	12/13/18	Total Aluminum	0.5467	0.4300	Monthly	Likely cause due to road run-off. Treatment needed	1	12/06/18	0.2530		
Bluestone Coal Corporation	WV	WV1006347	U400788	001	11/26/18	11/28/18	Total Suspended Solids	74.0000	70.0000	Daily	Likely cause due to road run-off. Treatment needed	N/A	11/29/18	7.0000		
Pay Car Mining, Inc.	WV	WV1018663	U401098	001	11/15/18	11/16/18	Total Aluminum	1.2750	0.7500	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	11/26/18	0.2490		
Pay Car Mining, Inc.	WV	WV1018663	U401098	001	11/26/18	12/13/18	Total Aluminum	0.7620	0.4300	Monthly	Sample Pulled after Severe Rain Event and pump stopped working momentarily.	1	12/06/18	0.2130		
Pay Car Mining, Inc.	WV	WV1018663	U401098	001	11/15/18	11/19/18	Total Suspended Solids	104.0000	70.0000	Daily	Sample Pulled after Severe Rain Event and pump stopped working momentarily.	N/A	11/26/18	19.0000		
Pay Car Mining, Inc.	WV	WV1018663	U401098	001	11/26/18	12/13/18	Total Suspended Solids	61.5000	35.0000	Monthly	Sample Pulled after Severe Rain Event and pump stopped working momentarily.	1	12/06/18	6.0000		
Pay Car Mining, Inc.	WV	WV1018663	U401098	002	11/15/18	11/16/18	Total Aluminum	30.6300	0.7500	Daily	Sample Pulled after Severe Rain Event and pump stopped working momentarily. No Discharge Since	N/A	No Discharge			
Pay Car Mining, Inc.	WV	WV1018663	U401098	002	11/15/18	12/13/18	Total Aluminum	30.6300	0.4300	Monthly	Sample Pulled after Severe Rain Event and pump stopped working momentarily. No Discharge Since.	1	No Discharge			
Pay Car Mining, Inc.	WV	WV1018663	U401098	002	11/15/18	11/16/18	Total Iron	31.6600	5.2600	Daily	Sample Pulled after Severe Rain Event and pump stopped working momentarily. No Discharge Since	N/A	No Discharge			
Pay Car Mining, Inc.	WV	WV1018663	U401098	002	11/15/18	12/13/18	Total Iron	31.6600	3.0000	Monthly	Sample Pulled after Severe Rain Event and pump stopped working momentarily. No Discharge Since.	1	No Discharge			
Pay Car Mining, Inc.	WV	WV1018663	U401098	002	11/15/18	11/19/18	Total Suspended Solids	1684.0000	70.0000	Daily	Sample Pulled after Severe Rain Event and pump stopped working momentarily. No Discharge Since	N/A	No Discharge			
Pay Car Mining, Inc.	WV	WV1018663	U401098	002	11/15/18	12/13/18	Total Suspended Solids	1684.0000	35.0000	Monthly	Sample Pulled after Severe Rain Event and pump stopped working momentarily. No Discharge Since.	1	No Discharge			
Bluestone Coal Corporation	WV	WV1018698	U401398	001	10/02/18	10/03/18	Total Aluminum	0.8540	0.7500	Daily	Likely cause due to high flow, road run-off, and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	11/06/18	3.7900		
Bluestone Coal Corporation	WV	WV1018698	U401398	001	11/20/18	11/27/18	Total Aluminum	0.8690	0.7500	Daily	Likely cause due to high flow, road run-off, and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	11/28/18	0.1800		
Bluestone Coal Corporation	WV	WV1018698	U401398	001	12/05/18	12/07/18	Total Aluminum	1.5340	0.7500	Daily	Likely cause due to high flow, road run-off, and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	12/08/18	0.5200		
Bluestone Coal Corporation	WV	WV1018698	U401398	001	10/18/18	11/09/18	Total Aluminum	0.5575	0.4300	Monthly	Likely cause due to high flow, road run-off, and ineffective treatment. Working with NALCO consultant to determine treatment options.	2	11/11/18	0.2230		
Bluestone Coal Corporation	WV	WV1018698	U401398	001	12/22/18	01/12/19	Total Aluminum	0.6340	0.4300	Monthly	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	1	02/06/19	0.2800		
Bluestone Coal Corporation	WV	WV1018698	U401398	001	12/05/18	12/07/18	Total Suspended Solids	83.0000	70.0000	Daily	Likely cause due to heavy precipitation and road run-off.	N/A	12/08/18	35.0000		
Bluestone Coal Corporation	WV	WV1018698	U401398	001	12/19/18	01/12/19	Total Suspended Solids	40.5000	35.0000	Monthly	Likely cause due to heavy precipitation and road run-off.	1	01/08/19	29.0000		
Bluestone Coal Corporation	WV	WV1018965	S400900	003	10/05/18	10/08/18	Total Aluminum	0.1570	0.1400	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	10/10/18	0.0110		
Bluestone Coal Corporation	WV	WV1018965	S400900	003	10/09/18	10/10/18	Total Aluminum	0.1530	0.1400	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	1	10/10/18	0.0110		
Bluestone Coal Corporation	WV	WV1018965	S400900	004	11/08/18	11/09/18	Total Aluminum	0.2180	0.1400	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	11/11/18	0.0800		
Bluestone Coal Corporation	WV	WV1018965	S400900	004	11/28/18	12/13/18	Total Aluminum	0.1147	0.0800	Monthly	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	1	01/07/19	0.0470		
Bluestone Coal Corporation	WV	WV1018965	S400900	004	12/26/18	01/12/19	Total Aluminum	0.1600	0.0800	Monthly	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	2	01/07/19	0.0470		
Bluestone Coal Corporation	WV	WV1018965	S400900	005	11/08/18	11/09/18	Total Aluminum	0.3160	0.1400	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	11/11/18	0.1080		
Bluestone Coal Corporation	WV	WV1018965	S400900	005	11/28/18	12/13/18	Total Aluminum	0.1740	0.0800	Monthly	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	1	12/12/18	0.0410		
Bluestone Coal Corporation	WV	WV1018965	S400900	007	10/03/18	10/04/18	Total Aluminum	0.2190	0.1400	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	10/05/18	0.0340		
Bluestone Coal Corporation	WV	WV1018965	S400900	007	11/05/18	11/06/18	Total Aluminum	0.2030	0.1400	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	11/21/18	0.0530		
Bluestone Coal Corporation	WV	WV1018965	S400900	007	11/07/18	11/08/18	Total Aluminum	0.2380	0.1400	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	1	11/21/18	0.0530		
Bluestone Coal Corporation	WV	WV1018965	S400900	007	12/04/18	12/06/18	Total Aluminum	0.1540	0.1400	Daily	Likely cause due to high flow and ineffective treatment. Working with NALCO consultant to determine treatment options.	N/A	12/11/18	0.0900		

EXHIBIT A TO PLAINTIFFS' RESPONSE TO DEFENDANT'S SUMMARY JUDGMENT MOTION

1st Quarter 2019 - Effluent Limit Violation Responses																
Monitoring Site Information					Effluent Limit Violation Details								Compliant Sample Details		Notes	
Company Name	State	NPDES Permit	SMCRA Permit	Outfall	Sample Date	Notification Date	Parameter	Result	Limit	Type	Explanations	Category	Sample Date	Result		
Kentucky Fuel Corporation	KY	KYGE40925	8609015	007	02/08/19	02/12/19	Total Iron	8.3000	4.0000	Daily	High amounts of rainfall before sampling	N/A	02/19/19	0.8300		
Kentucky Fuel Corporation	KY	KYGE40925	8609015	007	02/19/19	04/02/19	Total Iron	4.5650	3.0000	Monthly	High amounts of rainfall before sampling	1	03/06/19	0.9500		
Kentucky Fuel Corporation	KY	KYGE40925	8609015	007	02/08/19	02/12/19	Total Suspended Solids	357.0000	70.0000	Daily	High amounts of rainfall before sampling	N/A	02/19/19	12.0000		
Kentucky Fuel Corporation	KY	KYGE40925	8609015	007	02/19/19	04/02/19	Total Suspended Solids	184.5000	35.0000	Monthly	High amounts of rainfall before sampling	1	03/06/19	18.0000		
A&G Coal Corporation	VA	VA0081914	1101914	011	02/22/19	02/28/19	Total Suspended Solids	118.0000	70.0000	Daily	Increased amounts of rainfall before sampling	N/A	02/28/19	6.0000		
A&G Coal Corporation	VA	VA0081914	1101914	011	02/28/19	04/02/19	Total Suspended Solids	45.3333	35.0000	Monthly	Increased amounts of rainfall before sampling	1	03/04/19	32.0000		
A&G Coal Corporation	VA	VA0081914	1101914	014	02/15/19	02/20/19	Total Suspended Solids	114.0000	70.0000	Daily	Increased amounts of rainfall before sampling	N/A	02/21/19	17.0000		
A&G Coal Corporation	VA	VA0081914	1101914	014	02/21/19	02/28/19	Total Suspended Solids	116.0000	70.0000	Daily	Increased amounts of rainfall before sampling	1	02/21/19	17.0000		
A&G Coal Corporation	VA	VA0081914	1101914	014	02/28/19	04/02/19	Total Suspended Solids	39.7500	35.0000	Monthly	Increased amounts of rainfall before sampling	1	03/04/19	22.0000		
A&G Coal Corporation	VA	VA0082003	1102003	A	02/26/19	04/02/19	Total Suspended Solids	37.0000	35.0000	Monthly	Increased amounts of rainfall before sampling for two of the samples, didn't pull enough samples to achieve compliant average	1	03/08/19	5.0000		
A&G Coal Corporation	VA	VA0082048	1302048	001	02/23/19	02/28/19	Total Suspended Solids	78.0000	70.0000	Daily	High amounts of rainfall before sampling	N/A	02/28/19	5.0000		
A&G Coal Corporation	VA	VA0082048	1302048	002	02/23/19	04/02/19	Total Suspended Solids	40.3333	35.0000	Monthly	Increased amounts of rainfall before sampling for two of the samples, didn't pull enough samples to achieve compliant average	1	03/08/19	12.0000		
A&G Coal Corporation	VA	VA0082057	1502057	A	02/21/19	04/02/19	Total Suspended Solids	45.0000	35.0000	Monthly	High amounts of rainfall before sampling	1	03/01/19	19.0000		
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	03/25/19	04/15/19	Total Iron	4.0400	3.0000	Monthly	Low flow pond, water is usually pumped into pond to dilute, power is off to pump	1	04/19/19	1.9200		
Chestnut Land Holdings LLC	WV	WV0091952	U021483	017	02/11/19	02/13/19	Total Suspended Solids	175.0000	70.0000	Daily	High amounts of rainfall before sampling	N/A	02/14/19	37.0000		
Chestnut Land Holdings LLC	WV	WV0091952	U021483	017	02/25/19	03/01/19	Total Suspended Solids	133.0000	70.0000	Daily	High amounts of rainfall before sampling	N/A	03/05/19	3.0000		
Chestnut Land Holdings LLC	WV	WV0091952	U021483	017	02/25/19	04/02/19	Total Suspended Solids	67.1667	35.0000	Monthly	High amounts of rainfall before sampling	1	03/11/19	25.0000		
Nufac Mining Company, Inc.	WV	WV0097446	S402586	003	02/08/19	03/28/19	Total Aluminum	1.4500	0.7500	Daily	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Working with NALCO consultant to determine treatment options	N/A	03/12/19	0.3400		
Nufac Mining Company, Inc.	WV	WV0097446	S402586	003	02/22/19	03/11/19	Total Aluminum	0.7800	0.7500	Daily	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Working with NALCO consultant to determine treatment options	2	03/12/19	0.3400		
Nufac Mining Company, Inc.	WV	WV0097446	S402586	003	02/22/19	04/02/19	Total Aluminum	0.7680	0.4300	Monthly	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Working with NALCO consultant to determine treatment options	1	03/12/19	0.3400		
Nufac Mining Company, Inc.	WV	WV0097446	S402586	005	03/26/19	04/05/19	Total Aluminum	0.8000	0.7500	Daily	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Working with NALCO consultant to determine treatment options	N/A	04/05/19	0.2000		
Nufac Mining Company, Inc.	WV	WV0097446	S402586	005	03/26/19	04/15/19	Total Aluminum	0.4450	0.4300	Monthly	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Working with NALCO consultant to determine treatment options	1	04/05/19	0.2000		
Bluestone Coal Corporation	WV	WV1006304	S007282	003	01/14/19	02/08/19	Total Selenium	5.8000	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	1	02/05/19	4.4000		
Bluestone Coal Corporation	WV	WV1006304	S007282	003	03/26/19	04/15/19	Total Selenium	5.3000	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	1	05/24/19	3.8000		
Bluestone Coal Corporation	WV	WV1006304	S007282	005	01/14/19	02/08/19	Total Selenium	6.6350	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	03/26/19	4.6000		
Bluestone Coal Corporation	WV	WV1006304	S007282	005	02/23/19	04/02/19	Total Selenium	5.4740	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	03/26/19	4.6000		
Bluestone Coal Corporation	WV	WV1006304	S007282	005	03/22/19	04/15/19	Total Selenium	5.4333	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	06/10/19	4.3000		
Bluestone Coal Corporation	WV	WV1006304	S007282	006	01/14/19	02/08/19	Total Selenium	5.8700	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	02/23/19	3.4000		
Bluestone Coal Corporation	WV	WV1006304	S007282	006	02/23/19	04/02/19	Total Selenium	5.2560	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	03/11/19	4.5000		
Bluestone Coal Corporation	WV	WV1006304	S007282	006	03/22/19	04/15/19	Total Selenium	4.8000	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	04/25/19	4.5000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	02/11/19	02/12/19	Total Aluminum	0.8270	0.7500	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	02/14/19	0.2630		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	01/02/19	01/03/19	Total Selenium	13.0000	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	01/09/16	7.4100		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	01/05/19	01/09/19	Total Selenium	8.7400	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	1	01/09/16	7.4100		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	01/14/19	01/15/19	Total Selenium	12.1700	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	01/16/19	8.1200		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	02/01/19	02/04/19	Total Selenium	13.0600	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	02/14/19	5.5800		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	02/05/19	02/07/19	Total Selenium	9.1600	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	1	02/14/19	5.5800		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	02/09/19	03/28/19	Total Selenium	9.1000	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	2	02/14/19	5.5800		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	02/11/19	02/12/19	Total Selenium	10.9200	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	2	02/14/19	5.5800		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	02/25/19	03/11/19	Total Selenium	9.6000	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	03/14/19	0.3000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	03/11/19	03/23/19	Total Selenium	9.6000	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	1	04/12/19	3.0000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	03/22/19	03/29/19	Total Selenium	12.5000	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	04/12/19	3.0000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	03/26/19	04/02/19	Total Selenium	9.0000	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	1	04/12/19	3.0000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	03/30/19	04/15/19	Total Selenium	9.8000	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	2	04/12/19	3.0000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	01/16/19	02/08/19	Total Selenium	9.8880	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	04/12/19	3.0000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	02/25/19	04/02/19	Total Selenium	9.5700	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	03/14/19	0.3000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	03/26/19	04/15/19	Total Selenium	8.2400	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	04/12/19	3.0000		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	01/02/19	01/03/19	Total Selenium	10.6700	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	01/05/19	7.3900		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	01/14/19	01/15/19	Total Selenium	9.8500	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	01/16/19	5.9100		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	02/01/19	02/04/19	Total Selenium	8.2500	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	02/05/19	8.0100		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	02/10/19	03/28/19	Total Selenium	10.0000	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	02/11/19	7.7600		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	03/22/19	03/29/19	Total Selenium	10.5000	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	05/24/19	3.4000		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	01/16/19	02/08/19	Total Selenium	8.4550	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	02/24/19	4.6000		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	02/24/19	04/02/19	Total Selenium	7.7240	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	05/24/19	3.4000		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	03/26/19	04/15/19	Total Selenium	7.3750	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	2	05/24/19	3.4000		
Bluestone Coal Corporation	WV	WV1006304	S007282	049	03/12/19	03/29/19	Total Selenium	11.5000	8.2000	Daily	Ineffective treatment, working with NALCO consultant to determine treatment options	N/A	No Discharge			
Bluestone Coal Corporation	WV	WV1006304	S007282	049	03/12/19	04/15/19	Total Selenium	8.1000	4.7000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	1	No Discharge			
Bluestone Coal Corporation	WV	WV1006614	O403688, U403588	001	02/23/19	02/28/19	Total Suspended Solids	71.0000	70.0000	Daily	High amounts of rainfall before sampling, increase treatment needed	N/A	03/05/19	6.3000		
Bluestone Coal Corporation	WV	WV1006614	O403688, U403588	001	02/23/19	04/02/19	Total Suspended Solids	39.6667	35.0000	Monthly	High amounts of rainfall before sampling, increase treatment needed	1	03/05/19	6.3000		
Bluestone Coal Corporation	WV	WV1008838	U402889	001	02/13/19	02/14/19	Total Aluminum	0.8530	0.7500	Daily	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Working with NALCO consultant to determine treatment options	2	02/15/19	0.0770		
Bluestone Coal Corporation	WV	WV1008838	U402889	001	02/15/19	04/02/19	Total Aluminum	0.4650	0.4300	Monthly	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Working with NALCO consultant to determine treatment options	1	No Discharge			
Bluestone Coal Corporation	WV	WV1008838	U402889	001	02/15/19	04/02/19	Total Suspended Solids	52.0000	35.0000	Monthly	High amounts of rainfall before sampling, increase treatment needed	1	No Discharge			
Kentucky Fuel Corporation	WV	WV1015389	S300998	063	02/15/19	04/02/19	Total Aluminum	0.2570	0.2200	Monthly	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Working with NALCO consultant to determine treatment options	1				
Kentucky Fuel Corporation	WV	WV1015389	S300998	063	02/15/19	02/18/19	Total Iron	1.6590	0.6900	Daily	High amounts of rainfall before sampling, increase treatment needed	N/A				
Kentucky Fuel Corporation	WV	WV1015389	S300998	063	02/15/19	04/02/19	Total Iron	1.6590	0.6900	Monthly	High amounts of rainfall before sampling, increase treatment needed	1				
Kentucky Fuel Corporation	WV	WV1015389	S300998	063	02/15/19	04/02/19	Total Manganese	3.4190	2.0000	Monthly	High amounts of rainfall before sampling, increase treatment needed	1				

EXHIBIT A TO PLAINTIFFS' RESPONSE TO DEFENDANT'S SUMMARY JUDGMENT MOTION

2nd Quarter 2019 - Effluent Limit Violation Responses															
Monitoring Site Information					Effluent Limit Violation Details							Compliant Sample Details			Notes
Company Name	State	NPDES Permit	SMCRA Permit	Outfall	Sample Date	Notification Date	Parameter	Result	Limit	Type	Explanations	Category	Sample Date	Result	
Kentucky Fuel Corporation	KY	KYGE40875	8600505	006	04/30/19	05/03/19	Total Manganese	8.1600	4.0000	Daily	Low flow pond, water is usually pumped into pond to dilute, power is off to pump.	N/A	05/06/19	1.7700	
Kentucky Fuel Corporation	KY	KYGE40875	8600505	006	04/30/19	05/03/19	Total Manganese	4.9050	2.0000	Monthly	Low flow pond, water is usually pumped into pond to dilute, power is off to pump.	1	05/06/19	1.7700	
A&G Coal Corporation	VA	VA0081914	1101914	014	04/01/19	04/03/19	Total Suspended Solids	202.0000	70.0000	Daily	Increasing precipitation resulted in high TSS	N/A	04/06/19	5.0000	
A&G Coal Corporation	VA	VA0081914	1101914	014	04/01/19	05/03/19	Total Suspended Solids	54.5000	35.0000	Monthly	Increasing precipitation resulted in high TSS	1	05/13/19	14.0000	
A&G Coal Corporation	VA	VA0081916	1101916	004	06/07/19	06/12/19	Total Suspended Solids	119.0000	70.0000	Daily	Increasing precipitation resulted in high TSS	N/A	06/14/19	5.0000	
A&G Coal Corporation	VA	VA0081916	1101916	004	06/22/19	07/11/19	Total Suspended Solids	49.5000	35.0000	Monthly	Increasing precipitation resulted in high TSS	1	07/08/19	14.0000	
A&G Coal Corporation	VA	VA0081954	1101954	C	06/18/19	06/20/19	Total Suspended Solids	92.0000	70.0000	Daily	Increasing precipitation resulted in high TSS	N/A	06/23/19	5.0000	
A&G Coal Corporation	VA	VA0081954	1101954	C	06/23/19	07/11/19	Total Suspended Solids	48.5000	35.0000	Monthly	Increasing precipitation resulted in high TSS	1	07/11/19	22.0000	
A&G Coal Corporation	VA	VA0082052	1102052	11A	05/08/19	06/05/19	Total Selenium	5.5000	5.0000	Monthly	Ineffective treatment, working with NALCO consultant to determine treatment options	1	06/13/19	3.0000	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	06/23/19	07/11/19	Total Manganese	2.2475	2.0000	Monthly	Low flow pond, water is usually pumped into pond to dilute, power is off to pump.	2	07/08/19	1.0600	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	04/30/19	05/03/19	Total Iron	4.0667	3.0000	Monthly	Increasing precipitation resulted in high Fe	2	05/16/19	0.6400	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	04/30/19	05/03/19	Total Manganese	2.3333	2.0000	Monthly	High amounts of rainfall, caused pond turnover	1	05/16/19	1.3500	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	05/20/19	06/05/19	Total Manganese	2.2683	2.0000	Monthly	High amounts of rainfall, caused pond turnover	2	06/22/19	1.0600	
Virginia Coal Corporation	VA	VA0082073	1702073	MP-013	04/19/19	04/24/19	Total Suspended Solids	94.0000	70.0000	Daily	Increasing precipitation resulted in high TSS	N/A	04/25/19	5.0000	
Virginia Fuel Corporation	VA	VA0082078	1602078	003	06/07/19	07/11/19	Total Suspended Solids	43.0000	35.0000	Monthly	Increasing precipitation resulted in high TSS	1	07/09/19	35.0000	
Black River Coal, LLC	VA	VA0082094	1402094	005	06/07/19	06/13/19	Total Suspended Solids	100.0000	70.0000	Daily	Increasing precipitation resulted in high TSS	N/A	06/15/19	5.0000	
Black River Coal, LLC	VA	VA0082094	1402094	005	06/17/19	07/11/19	Total Suspended Solids	38.3333	35.0000	Monthly	Increasing precipitation resulted in high TSS	1	08/02/19	28.0000	
Second Sterling Corporation	WV	WV0060216	O008282, O008382, U005284	002	05/24/19	06/05/19	Total Aluminum	0.3500	0.3400	Monthly	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Increasing treatment.	1	06/03/19	0.1400	
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	06/19/19	06/25/19	Total Aluminum	5.0400	0.7500	Daily	Increasing precipitation resulted in high Al	N/A	06/24/19	12.0000	
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	06/27/19	07/11/19	Total Aluminum	1.3375	0.4300	Monthly	Increasing precipitation resulted in high Al	1	07/15/19	0.3000	
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	06/19/19	06/24/19	Total Iron	2.8100	2.4600	Daily	Increasing precipitation resulted in high Fe	N/A	06/24/19	0.1400	
Bluestone Coal Corporation	WV	WV1006304	S007282	001	04/12/19	05/03/19	Total Selenium	4.7500	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	1	05/24/19	3.0000	
Bluestone Coal Corporation	WV	WV1006304	S007282	003	04/25/19	05/03/19	Total Selenium	6.1500	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	05/24/19	3.8000	
Bluestone Coal Corporation	WV	WV1006304	S007282	005	04/25/19	05/03/19	Total Selenium	6.4500	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	06/15/19	3.8000	
Bluestone Coal Corporation	WV	WV1006304	S007282	005	05/24/19	06/05/19	Total Selenium	5.6333	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	06/10/19	4.3000	
Bluestone Coal Corporation	WV	WV1006304	S007282	006	04/15/19	05/03/19	Total Selenium	5.3000	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	05/09/19	4.2000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	04/25/19	05/03/19	Total Selenium	9.1000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	05/24/19	0.3300	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	05/24/19	06/05/19	Total Selenium	8.7000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	06/07/19	0.4000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	06/10/19	06/13/19	Total Selenium	9.8000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	06/29/19	5.0000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	06/26/19	06/28/19	Total Selenium	9.3000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	2	06/29/19	5.0000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	04/25/19	05/03/19	Total Selenium	6.0500	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	06/07/19	0.4000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	05/24/19	06/05/19	Total Selenium	7.3500	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	06/07/19	0.4000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	06/29/19	07/11/19	Total Selenium	8.0333	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	08/30/19	4.6000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	05/24/19	06/05/19	Total Suspended Solids	54.0000	35.0000	Monthly	Increasing precipitation resulted in high TSS	1	06/01/19	8.0000	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	06/10/19	06/14/19	Total Selenium	8.9000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	06/16/19	4.5000	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	06/16/19	07/11/19	Total Selenium	6.7000	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	1	09/20/19	3.5000	
Bluestone Coal Corporation	WV	WV1006614	O403688, U403588	001	06/19/19	06/25/19	Total Aluminum	3.1200	0.7500	Daily	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Increasing treatment.	N/A	06/24/19	0.2600	
Bluestone Coal Corporation	WV	WV1006614	O403688, U403588	001	06/27/19	07/11/19	Total Aluminum	0.9600	0.4300	Monthly	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Increasing treatment.	1	07/15/19	0.2100	
Bluestone Coal Corporation	WV	WV1012312	U401493, U401593	001	04/06/19	04/24/19	Total Selenium	11.7000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	04/17/19	2.2000	
Bluestone Coal Corporation	WV	WV1012312	U401493, U401593	001	04/06/19	05/03/19	Total Selenium	6.1333	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	1	05/07/19	1.4000	
Bluestone Coal Corporation	WV	WV1018965	S400900	002	04/03/19	04/20/19	Total Aluminum	0.2200	0.1400	Daily	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Increasing treatment.	1	04/23/19	0.0400	
Bluestone Coal Corporation	WV	WV1018965	S400900	002	04/05/19	04/29/19	Total Aluminum	0.2100	0.1400	Daily	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Increasing treatment.	2	04/23/19	0.0400	
Bluestone Coal Corporation	WV	WV1018965	S400900	002	04/24/19	05/03/19	Total Aluminum	0.1400	0.0800	Monthly	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Increasing treatment.	2	05/25/19	0.0600	
Bluestone Coal Corporation	WV	WV1018965	S400900	003	06/30/19	07/03/19	Total Aluminum	0.1700	0.1400	Daily	Increasing precipitation resulted in high Al	N/A	No Discharge		
Bluestone Coal Corporation	WV	WV1018965	S400900	003	05/31/19	06/05/19	Total Aluminum	0.0900	0.0800	Monthly	Increasing precipitation resulted in high Al	1	06/07/19	0.0300	
Bluestone Coal Corporation	WV	WV1018965	S400900	004	04/05/19	04/24/19	Total Aluminum	0.1500	0.1400	Daily	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Increasing treatment.	N/A	04/25/19	0.0300	
Bluestone Coal Corporation	WV	WV1018965	S400900	004	04/24/19	05/03/19	Total Aluminum	0.6100	0.1400	Daily	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Increasing treatment.	1	04/25/19	0.0300	
Bluestone Coal Corporation	WV	WV1018965	S400900	004	05/14/19	05/23/19	Total Aluminum	0.2900	0.1400	Daily	Increasing precipitation resulted in high Al	N/A	05/25/19	0.0500	
Bluestone Coal Corporation	WV	WV1018965	S400900	004	04/24/19	05/03/19	Total Aluminum	0.2275	0.0800	Monthly	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Increasing treatment.	2	05/25/19	0.0500	
Bluestone Coal Corporation	WV	WV1018965	S400900	004	05/14/19	06/05/19	Total Aluminum	0.1367	0.0800	Monthly	Increasing precipitation resulted in high Al	2	06/20/19	0.0300	
Bluestone Coal Corporation	WV	WV1018965	S400900	005	04/03/19	04/20/19	Total Aluminum	0.1600	0.1400	Daily	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Increasing treatment.	1	04/05/19	0.0300	
Bluestone Coal Corporation	WV	WV1018965	S400900	006	04/03/19	04/20/19	Total Aluminum	0.2200	0.1400	Daily	Likely cause due to high sediment in pond, run-off from road, and ineffective treatment. Increasing treatment.	N/A	04/16/19	0.0500	

3rd Quarter 2019 - Effluent Limit Violation Responses															
Monitoring Site Information					Effluent Limit Violation Details								Compliant Sample Details		Notes
Company Name	State	NPDES Permit	SMCRA Permit	Outfall	Sample Date	Notification Date	Parameter	Result	Limit	Type	Explanations	Category	Sample Date	Result	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	08/31/19	09/06/19	Total Manganese	2.1140	2.0000	Monthly	Change chemical treatment to counteract high limits	1	10/03/19	2.0000	
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	09/30/19	10/07/19	Total Manganese	2.0200	2.0000	Monthly	Change chemical treatment to counteract high limits	2	10/03/19	2.0000	
Virginia Coal Corporation	VA	VA0082073	1702073	MP-013	07/22/19	08/06/19	Total Suspended Solids	50.0000	35.0000	Monthly	Increasing precipitation resulted in high TSS	1	10/22/19	16.0000	
Virginia Fuel Corporation	VA	VA0082078	1602078	003	07/22/19	07/29/19	Total Iron	9.7300	6.0000	Daily	Increased chemical treatment	N/A	07/31/19	2.6200	
Virginia Fuel Corporation	VA	VA0082078	1602078	003	07/22/19	08/06/19	Total Iron	4.5367	3.0000	Monthly	Increased chemical treatment	1	12/16/19	1.8380	
Virginia Fuel Corporation	VA	VA0082078	1602078	003	07/22/19	07/26/19	Total Suspended Solids	144.0000	70.0000	Daily	Increasing precipitation resulted in high TSS	N/A	07/27/19	5.0000	
Virginia Fuel Corporation	VA	VA0082078	1602078	003	07/22/19	08/06/19	Total Suspended Solids	61.3333	35.0000	Monthly	Increasing precipitation resulted in high TSS	2	12/16/19	0.4000	
Chestnut Land Holdings, LLC	WV	WV0091952	U021483	017	07/23/19	07/26/19	Total Suspended Solids	289.0000	70.0000	Daily	Increasing precipitation resulted in high TSS	N/A	07/29/19	10.0000	
Chestnut Land Holdings, LLC	WV	WV0091952	U021483	017	07/23/19	08/06/19	Total Suspended Solids	81.5000	35.0000	Monthly	Increasing precipitation resulted in high TSS	1	08/02/19	9.0000	
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	08/21/19	09/06/19	Total Aluminum	7.6600	0.7500	Daily	Increased chemical treatment	N/A	08/30/19	0.0600	
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	08/30/19	09/06/19	Total Aluminum	2.6200	0.4300	Monthly	Increased chemical treatment	1	09/03/19	0.0300	
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	08/21/19	08/28/19	Total Iron	9.5330	2.4600	Daily	Increased chemical treatment	N/A	08/30/19	0.1400	
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	08/21/19	09/06/19	Total Iron	3.2643	1.4200	Monthly	Increased chemical treatment	1	09/03/19	0.0500	
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	08/21/19	08/27/19	Total Suspended Solids	192.0000	70.0000	Daily	Increasing precipitation resulted in high TSS	N/A	08/30/19	5.0000	
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	08/21/19	09/06/19	Total Suspended Solids	67.6667	35.0000	Monthly	Increasing precipitation resulted in high TSS	1	09/03/19	5.0000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	07/10/19	07/12/19	Total Selenium	9.0000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	07/25/19	6.6000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	08/06/19	08/16/19	Total Selenium	9.6000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	08/23/19	6.4000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	08/17/19	08/22/19	Total Selenium	9.9000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	1	08/23/19	5.9000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	09/30/19	10/04/19	Total Selenium	8.4000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	10/13/19	4.4000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	07/30/19	08/06/19	Total Selenium	7.3667	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	08/30/19	4.6000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	08/26/19	09/06/19	Total Selenium	7.4571	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	10/13/19	4.4000	
Bluestone Coal Corporation	WV	WV1006304	S007282	007	09/30/19	10/07/19	Total Selenium	7.8000	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	10/13/19	4.4000	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	09/16/19	09/19/19	Total Selenium	9.1000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	09/20/19	3.5000	
Bluestone Coal Corporation	WV	WV1006304	S007282	008	09/20/19	10/04/19	Total Selenium	6.3000	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	1	No Discharge		
Bluestone Coal Corporation	WV	WV1006304	S007282	049	07/10/19	07/16/19	Total Selenium	11.9000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	No Discharge		
Bluestone Coal Corporation	WV	WV1006304	S007282	049	07/10/19	08/06/19	Total Selenium	11.9000	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	1	No Discharge		
Bluestone Coal Corporation	WV	WV1018698	U401398	003	07/03/19	08/06/19	Total Aluminum	0.5150	0.4300	Monthly	Ran out of chemical treatment	1	12/30/19	0.2500	
Bluestone Coal Corporation	WV	WV1024159	U402790, U402890	002	07/03/19	07/11/19	Total Aluminum	0.8900	0.7500	Daily	Ran out of chemical treatment	N/A	12/30/19	0.2500	
Bluestone Coal Corporation	WV	WV1024159	U402790, U402890	002	07/03/19	08/06/19	Total Aluminum	0.5900	0.4300	Monthly	Ran out of chemical treatment	1	12/30/19	0.2500	
Newgate Dev. Of Beckley	WV	WV1026488	S301411	007	07/23/19	08/01/19	Total Aluminum	0.1500	0.1400	Daily	Increased chemical treatment	N/A	Pending		
Newgate Dev. Of Beckley	WV	WV1026488	S301411	007	07/23/19	08/06/19	Total Aluminum	0.1500	0.0800	Monthly	Increased chemical treatment	1	Pending		

4th Quarter 2019 - Effluent Limit Violation Responses																
Monitoring Site Information					Effluent Limit Violation Details							Compliant Sample Details			Notes	
Company Name	State	NPDES Permit	SMCRA Permit	Outfall	Sample Date	Notification Date	Parameter	Result	Limit	Type	Explanations	Category	Sample Date	Result		
A&G Coal Corporation	VA	VA0081914	1101914	011	11/30/19	12/06/19	Total Suspended Solids	98.0000	70.0000	Daily	Due to increase in flow resulted in high TSS	N/A	12/08/19	5.0000		
A&G Coal Corporation	VA	VA0081914	1101914	011	11/30/19	12/05/19	Total Suspended Solids	98.0000	35.0000	Monthly	Due to increase in flow resulted in high TSS	1	12/08/19	5.0000		
A&G Coal Corporation	VA	VA0081914	1101914	014	11/30/19	12/05/19	Total Suspended Solids	130.0000	70.0000	Daily	Due to increase in flow resulted in high TSS	N/A	12/08/19	5.0000		
A&G Coal Corporation	VA	VA0081914	1101914	014	11/30/19	12/05/19	Total Suspended Solids	67.5000	35.0000	Monthly	Due to increase in flow resulted in high TSS	1	12/08/19	5.0000		
Virginia Fuel Corporation	VA	VA0082071	1602071	002	11/30/19	12/05/19	Total Manganese	2.8533	2.0000	Monthly	Due to increase in flow	1	12/04/19	1.6800		
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	11/09/19	11/20/19	Total Manganese	6.9700	4.0000	Daily	Due to increase in flow	N/A	11/17/19	3.5900		
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	10/24/19	11/05/19	Total Manganese	2.3750	2.0000	Monthly	Due to increase in flow	2	12/02/19	1.1500		
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	11/30/19	12/05/19	Total Manganese	4.3267	2.0000	Monthly	Due to increase in flow	2	12/02/19	1.1500		
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	12/21/19	01/05/20	Total Iron	3.1150	3.0000	Monthly	Increased chemical treatment	1	01/06/20	1.9800		
Virginia Coal Corporation	VA	VA0082073	1702073	MP-009	11/09/19	11/20/19	Total Manganese	7.5000	4.0000	Daily	Due to increase in flow	N/A	12/02/19	1.2600		
Virginia Coal Corporation	VA	VA0082073	1702073	MP-009	11/17/19	11/22/19	Total Manganese	8.5800	4.0000	Daily	Due to increase in flow	1	12/02/19	1.2600		
Virginia Coal Corporation	VA	VA0082073	1702073	MP-009	10/22/19	11/05/19	Total Manganese	2.4150	2.0000	Monthly	Due to increase in flow	1	12/02/19	1.2600		
Virginia Coal Corporation	VA	VA0082073	1702073	MP-009	11/17/19	12/05/19	Total Manganese	8.0400	2.0000	Monthly	Due to increase in flow	2	12/02/19	1.2600		
Virginia Coal Corporation	VA	VA0082073	1702073	MP-014	10/22/19	11/05/19	Total Manganese	2.3800	2.0000	Monthly	Due to increase in flow	1	12/17/19	1.2350		
Virginia Coal Corporation	VA	VA0082073	1702073	MP-014	11/17/19	12/05/19	Total Manganese	2.6450	2.0000	Monthly	Due to increase in flow	2	12/17/19	1.2350		
Virginia Coal Corporation	VA	VA0082073	1702073	MP-014	12/21/19	01/05/20	Total Manganese	2.0427	2.0000	Monthly	Due to increase in flow	2	Pending			
Nufac Mining Company, Inc.	WV	WV0097446	S402586	004	12/30/19	01/05/20	Total Aluminum	0.4900	0.4300	Monthly	Increasing precipitation resulted in high Al	1	Pending			
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	11/04/19	11/11/19	Total Aluminum	1.8400	0.7500	Daily	Increasing precipitation resulted in high Al	N/A	11/14/19	0.0500		
Bluestone Coal Corporation	WV	WV1005995	D001182, H062200	001	11/18/19	12/05/19	Total Aluminum	0.6400	0.4300	Monthly	Increasing precipitation resulted in high Al	1	12/23/19	0.0600		
Bluestone Coal Corporation	WV	WV1006304	S007282	006	10/29/19	11/04/19	Total Selenium	9.0000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	11/16/19	0.8000		
Bluestone Coal Corporation	WV	WV1006304	S007282	006	10/29/19	11/06/19	Total Selenium	5.5000	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	1	11/16/19	0.8000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	10/05/19	10/11/19	Total Selenium	9.6000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	1	10/14/19	4.4000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	10/29/19	11/04/19	Total Selenium	13.0000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	11/26/19	5.1000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	11/17/19	11/27/19	Total Selenium	11.3000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	1	11/26/19	5.1000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	12/31/19	01/03/20	Total Selenium	8.8000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	01/16/20	7.7000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	12/31/19	01/05/20	Total Selenium	9.1000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	1	01/16/20	7.7000		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	10/29/19	11/04/19	Total Selenium	9.0000	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	Pending			
Bluestone Coal Corporation	WV	WV1006304	S007282	007	11/26/19	12/05/19	Total Selenium	8.2000	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	Pending			
Bluestone Coal Corporation	WV	WV1006304	S007282	007	12/31/19	01/03/20	Total Selenium	7.8333	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	Pending			
Bluestone Coal Corporation	WV	WV1018698	U401398	003	10/22/19	11/05/19	Total Aluminum	1.1200	0.7500	Daily	Increasing precipitation resulted in high Al	N/A	12/30/19	0.2500		
Bluestone Coal Corporation	WV	WV1018698	U401398	003	12/03/19	12/11/19	Total Aluminum	0.8900	0.7500	Daily	Increasing precipitation resulted in high Al	2	12/30/19	0.2500		
Bluestone Coal Corporation	WV	WV1018698	U401398	003	12/16/19	12/27/19	Total Aluminum	1.9200	0.7500	Daily	Increasing precipitation resulted in high Al	2	12/30/19	0.2500		
Bluestone Coal Corporation	WV	WV1018698	U401398	003	10/22/19	11/05/19	Total Aluminum	1.1200	0.4300	Monthly	Increasing precipitation resulted in high Al	1	12/30/19	0.2500		
Bluestone Coal Corporation	WV	WV1018698	U401398	003	12/30/19	01/05/20	Total Aluminum	1.0200	0.4300	Monthly	Increasing precipitation resulted in high Al	2	01/06/19	0.4300		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	10/24/19	11/01/19	Total Selenium	13.1000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	11/11/19	0.3000		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	11/04/19	11/27/19	Total Selenium	9.9000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	1	11/11/19	0.3000		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	11/25/19	12/04/20	Total Selenium	10.7000	8.2000	Daily	Conducting selenium fish tissue test, working to increase permit limits	N/A	12/06/19	7.6000		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	10/24/19	11/05/19	Total Selenium	8.8500	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	1	11/11/19	0.3000		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	11/25/19	12/05/19	Total Selenium	6.9667	4.7000	Monthly	Conducting selenium fish tissue test, working to increase permit limits	2	12/30/19	0.5000		
Bluestone Coal Corporation	WV	WV1024159	U402790, U402890	002	10/22/19	11/05/19	Total Aluminum	1.1200	0.7500	Daily	Increasing precipitation resulted in high Al	N/A	12/30/19	0.2500		
Bluestone Coal Corporation	WV	WV1024159	U402790, U402890	002	12/03/19	12/11/19	Total Aluminum	0.8900	0.7500	Daily	Increasing precipitation resulted in high Al	2	12/30/19	0.2500		
Bluestone Coal Corporation	WV	WV1024159	U402790, U402890	002	12/16/19	12/27/19	Total Aluminum	1.9200	0.7500	Daily	Increasing precipitation resulted in high Al	2	12/30/19	0.2500		
Bluestone Coal Corporation	WV	WV1024159	U402790, U402890	002	10/22/19	11/05/19	Total Aluminum	1.1200	0.4300	Monthly	Increasing precipitation resulted in high Al	1	12/30/19	0.2500		
Bluestone Coal Corporation	WV	WV1024159	U402790, U402890	002	12/30/19	01/05/20	Total Aluminum	1.0200	0.4300	Monthly	Increasing precipitation resulted in high Al	2	01/06/19	0.4300		
Newgate Dev. Of Beckley, LLC	WV	WV1026488	S301411	007	12/17/19	12/27/19	Total Aluminum	0.2500	0.1400	Daily	Increasing precipitation resulted in high Al	2	NoDischarge			
Newgate Dev. Of Beckley, LLC	WV	WV1026488	S301411	007	12/30/19	01/05/20	Total Aluminum	0.2200	0.1400	Daily	Increasing precipitation resulted in high Al	2	NoDischarge			
Newgate Dev. Of Beckley, LLC	WV	WV1026488	S301411	007	12/30/19	01/05/20	Total Aluminum	0.2350	0.0800	Monthly	Increasing precipitation resulted in high Al	2	NoDischarge			
Newgate Dev. Of Beckley, LLC	WV	WV1026488	S301411	007	12/17/19	01/05/20	Total Iron	0.4140	0.3100	Monthly	Increased chemical treatment	1	NoDischarge			

1st Quarter 2020 - Effluent Limit Violation Responses																
Monitoring Site Information					Effluent Limit Violation Details									Compliant Sample Details		Notes
Company Name	State	NPDES Permit	SMCRA Permit	Outfall	Sample Date	Notification Date	Parameter	Result	Limit	Type	Explanations	Category	SampleDate	Result		
A&G Coal Corporation	VA	VA0081954	1101954	C	01/27/20	01/24/20	Total Suspended Solids	39.0000	35.0000	Monthly	Excess Rainfall	Cat 1	02/13/20	12.00		
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	02/18/20	02/26/20	Total Iron	6.4100	6.0000	Daily	Runoff rain from culvert above	N/A	02/29/20	3.23		
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	02/29/20	03/04/20	Total Iron	4.9133	3.0000	Monthly	Runoff rain from culvert above	Cat 1	Pending			
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	03/20/20	04/07/20	Total Iron	6.0250	3.0000	Monthly	Runoff rain from culvert above	Cat 2	Pending			
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	03/20/20	04/07/20	Total Iron	7.4000	6.0000	Daily	Runoff rain from culvert above	N/A	Pending			
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	02/18/20	03/04/20	Total Manganese	3.1733	2.0000	Monthly	Runoff rain from culvert above	Cat 1	03/03/20	1.88		
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	02/18/20	02/25/20	Total Manganese	5.1900	4.0000	Daily	Runoff rain from culvert above	N/A	02/29/20	1.90		
Virginia Fuel Corporation	VA	VA0082073	1702073	M-001A	03/20/20	04/07/20	Total Manganese	2.3380	2.0000	Monthly	Runoff rain from culvert above	Cat 2	Pending			
Virginia Fuel Corporation	VA	VA0082073	1702073	MP-001	03/03/20	03/06/20	Total Suspended Solids	50.0000	35.0000	Monthly	Runoff from haulroad	Cat 1	Pending			
Virginia Fuel Corporation	VA	VA0082073	1702073	MP-001	03/03/20	03/06/20	Total Suspended Solids	75.0000	70.0000	Daily	Runoff from haulroad	N/A	03/20/20	25.00		
Virginia Coal Corporation	VA	VA0082073	1702073	MP-009	01/20/20	01/28/20	Total Manganese	2.1800	2.0000	Monthly	Excess Rainfall	Cat 1	02/10/20	1.06		
Virginia Fuel Corporation	VA	VA0082073	1702073	MP-013	03/20/20	04/07/20	Total Suspended Solids	79.0000	35.0000	Monthly	Excess Rainfall	Cat 1	04/02/20	8.00		
Virginia Fuel Corporation	VA	VA0082073	1702073	MP-013	03/20/20	04/07/20	Total Suspended Solids	95.0000	70.0000	Daily	Excess Rainfall	N/A	04/02/20	8.00		
Virginia Coal Corporation	VA	VA0082073	1702073	MP-014	01/20/20	01/28/20	Total Manganese	2.2900	2.0000	Monthly	Needed to increase chemical treatment	Cat 2	02/18/20	1.49		
Virginia Fuel Corporation	VA	VA0082078	1602078	001	02/21/20	02/28/20	Total Suspended Solids	39.0000	35.0000	Monthly	Excess Rainfall	Cat 1	03/02/20	5.00		
Virginia Fuel Corporation	VA	VA0082078	1602078	001	02/21/20	02/28/20	Total Suspended Solids	107.0000	70.0000	Daily	Excess Rainfall	N/A	02/29/20	5.00		
Pinnacle Mining Company	WV	WV0052531	U022083	004	03/25/20	04/07/20	Total Aluminum	1.2050	0.2260	Monthly	Needed to increase chemical treatment	Cat 1	04/02/20	0.03		
Pinnacle Mining Company	WV	WV0052531	U022083	004	03/25/20	04/07/20	Total Aluminum	2.3800	0.3960	Daily	Needed to increase chemical treatment	N/A	04/02/20	0.03		
Second Sterling Corporation	WV	WV0060216	O008282, O008382, U005284	002	02/24/20	03/04/20	Total Iron	1.0600	0.9400	Monthly	Needed to increase chemical treatment	Cat 1	03/16/20	0.15		
Second Sterling Corporation	WV	WV0060216	O008282, O008382, U005284	002	02/24/20	03/02/20	Total Iron	1.9000	0.9400	Daily	Needed to increase chemical treatment	N/A	03/16/20	0.15		
Nufac Mining Company, Inc.	WV	WV0097446	S402586	004	03/27/20	04/07/20	Total Aluminum	0.5450	0.4300	Monthly	Needed to increase chemical treatment	Cat 1	04/06/20	0.15		
Bluestone Coal Corporation	WV	WV1006304	S007282	005	02/27/20	03/04/20	Total Selenium	5.8000	4.7000	Monthly	Conducted selenium fish tissue test, working to increase limits	Cat 1	Pending			
Bluestone Coal Corporation	WV	WV1006304	S007282	005	03/28/20	04/07/20	Total Selenium	5.0500	4.7000	Monthly	Conducted selenium fish tissue test, working to increase limits	Cat 2	Pending			
Bluestone Coal Corporation	WV	WV1006304	S007282	006	01/31/20	02/05/20	Total Selenium	5.1000	4.7000	Monthly	Conducted selenium fish tissue test, working to increase limits	Cat 1	02/05/20	3.60		
Bluestone Coal Corporation	WV	WV1006304	S007282	006	02/27/20	03/04/20	Total Selenium	5.0000	4.7000	Monthly	Conducted selenium fish tissue test, working to increase limits	Cat 2	03/12/20	4.30		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	01/31/20	02/05/20	Total Selenium	6.5000	4.7000	Monthly	In Litigation payment not applied	Cat 2	Pending			
Bluestone Coal Corporation	WV	WV1006304	S007282	007	01/31/20	02/05/20	Total Selenium	11.0000	8.2000	Daily	In Litigation payment not applied	N/A	04/10/20	8.20		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	02/05/20	02/07/20	Total Selenium	10.3000	8.2000	Daily	In Litigation payment not applied	Cat 1	04/10/20	8.20		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	02/27/20	03/04/20	Total Selenium	11.2500	4.7000	Monthly	In Litigation payment not applied	Cat 2	Pending			
Bluestone Coal Corporation	WV	WV1006304	S007282	007	02/27/20	03/04/20	Total Selenium	12.2000	8.2000	Daily	In Litigation payment not applied	Cat 2	04/10/20	8.20		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	03/12/20	04/07/20	Total Selenium	10.5000	8.2000	Daily	In Litigation payment not applied	Cat 2	04/10/20	8.20		
Bluestone Coal Corporation	WV	WV1006304	S007282	007	03/28/20	04/07/20	Total Selenium	9.6500	4.7000	Monthly	In Litigation payment not applied	Cat 2	Pending			
Bluestone Coal Corporation	WV	WV1006304	S007282	007	03/28/20	04/07/20	Total Selenium	8.8000	8.2000	Daily	In Litigation payment not applied	Cat 2	04/10/20	8.20		
Bluestone Coal Corporation	WV	WV1006304	S007282	008	03/28/20	04/07/20	Total Selenium	5.9000	4.7000	Monthly	In Litigation payment not applied	Cat 2	Pending			
Bluestone Coal Corporation	WV	WV1018698	U401398	001	03/30/20	04/07/20	Total Aluminum	0.4600	0.4300	Monthly	Needed to increase chemical treatment	Cat 1	No Discharge			
Bluestone Coal Corporation	WV	WV1018698	U401398	001	03/30/20	04/07/20	Total Suspended Solids	40.0000	35.0000	Monthly	Excess Rainfall	Cat 1	No Discharge			
Bluestone Coal Corporation	WV	WV1018698	U401398	003	02/05/20	02/12/20	Total Aluminum	0.8400	0.7500	Daily	Needed to increase chemical treatment	N/A	02/13/20	0.28		
Bluestone Coal Corporation	WV	WV1018779	S400899	003	02/26/20	03/04/20	Total Aluminum	0.0833	0.0800	Monthly	Needed to increase chemical treatment	Cat 1	03/29/20	0.03		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	02/13/20	02/21/20	Total Aluminum	0.8600	0.7500	Daily	Needed to increase chemical treatment	N/A	02/21/20	0.03		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	01/21/20	03/04/20	Total Iron	1.5400	1.4200	Monthly	Needed to increase chemical treatment	Cat 1	03/09/20	0.08		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	02/13/20	02/21/20	Total Iron	2.9900	2.4600	Daily	Needed to increase chemical treatment	N/A	02/21/20	0.09		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	01/09/20	01/31/20	Total Selenium	9.2000	8.2000	Daily	Excess Rainfall	Cat 2	01/27/20	5.80		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	01/27/20	01/31/20	Total Selenium	7.5000	4.7000	Monthly	Excess Rainfall	Cat 1	02/11/20	3.70		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	02/04/20	02/07/20	Total Selenium	8.6000	8.2000	Daily	Excess Rainfall	N/A	02/11/20	3.70		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	02/21/20	02/26/20	Total Selenium	8.9000	8.2000	Daily	Excess Rainfall	N/A	03/09/20	7.10		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	02/29/20	03/05/20	Total Selenium	6.9800	4.7000	Monthly	Excess Rainfall	Cat 2	Pending			
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	02/29/20	03/05/20	Total Selenium	10.5000	8.2000	Daily	Excess Rainfall	Cat 1	03/09/20	7.10		
Greenthorn, LLC	WV	WV1020366	H043600, S501300	003	03/20/20	04/07/20	Total Selenium	5.5000	4.7000	Monthly	Excess Rainfall	Cat 2	Pending			
Bluestone Coal Corporation	WV	WV1024159	U402790, U402890	002	02/05/20	02/12/20	Total Aluminum	0.8400	0.7500	Daily	Needed to increase chemical treatment	N/A	02/13/20	0.28		
Newgate Dev. Of Beckley, LLC	WV	WV1026488	S301411	007	02/29/20	03/04/20	Total Iron	0.3133	0.3100	Monthly	Needed to increase chemical treatment	Cat 2	03/11/20	0.24		